

2009 SEED SUMMARY REPORT INSPECTION RESULTS



**PLANT INDUSTRIES DIVISION
BUREAU OF FEED AND SEED**

Missouri Department of Agriculture
Mission Statement

To serve, promote, and protect the agricultural producers, processors, and consumers of Missouri's food, fuel, and fiber products.

FOREWORD

The Seed Summary report is comprised of two sections.

Section one is intended to show the reliability of labelers in meeting their claims for seed quality. Inspections listed in this section were random, with no intentional bias, for the purpose of providing a means of comparing each labeler's reliability in meeting claims. The greater the number of samples taken per labeler, the greater the probability that the consistency in meeting claims shown will represent the labeler's actual performance.

Section two is comprised of selective inspections designed specifically to curtail labeling and licensing violations of the Missouri Seed Law. Examples of violations are selling seed without a permit, selling seed out of test date, and labeling omissions or inconsistencies with the law.

Stop sales are debited to the labeler if a discrepancy from the labeler's claim is found. If a lot of seed is found offered for sale past the time allowed on the existing germination test date, that violation is charged against the possessor of the seed. Violations recorded against the possessor of the seed are listed in section two.

All inspections were performed to fulfill the regulatory responsibilities given by the Missouri Department of Agriculture by the Missouri Seed Law, Statute Sections 226.011 through 266.111 (RSMo 2000).

INTRODUCTION

The Missouri Department of Agriculture, Plant Industries Division, Bureau of Feed and Seed are pleased to publish the 2009 Seed Summary Report and Inspection Results.

Three thousand one hundred and forty-seven (3,147) lots of seed were officially sampled and tested. Two hundred and eight (208) stop-sale orders were issued for seed failing to meet its labeled guarantees. This resulted in a compliance rate of 93.39 percent compared to 94.18 percent in 2008.

The Missouri Seed Control Laboratory tested 462 service samples in 2009. A total of 3,609 official and service samples were tested in 2009 resulting in a total of 6,772 individual tests performed.

All seed retailers are required to have their on-hand carry over seed retested for germination every 10 months (counting the month the seed was retested.) The new test date must appear on all labels. Seed lots found to be out of test date will be placed on stop sale order until such time as the seed has been tested and a new test date is placed on the label with any change in germination rate noted or the seed is disposed of in an acceptable manner. In 2009, 78 field written stop sale orders were issued mainly on out of test date seed.

The Bureau of Feed and Seed offers many seed sampling and seed testing services. The charges for analysis and analytical reports on seed samples are listed in the Missouri Seed Law Rules 2CSR 70-35.050.

For more information concerning the services offered by the Bureau of Feed and Seed, contact the feed and seed inspector in your area or contact:

**Missouri Department of Agriculture
Plant Industries Division
P.O. Box 630
Jefferson City, MO 65102**

Amber.Whittle@mda.mo.gov
(573) 751-5474 Office; (573)751-5500 Office Fax
(573) 751-4340 Seed Laboratory; (573) 526-7777 Seed Laboratory Fax
Or visit our Web site at mda.mo.gov
Plant Industries

PLANT INDUSTRIES DIVISION

BUREAU OF FEED AND SEED

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INSPECTORS AND ASSIGNED AREAS		
AREA 1 Richard Lollar Chillicothe, MO 64601 (660) 646-5811		AREA 2 Ken Disselhorst Hannibal, MO 63401 (573) 769-3486
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**2009 STATISTICAL SUMMARY
SAMPLES ANALYZED FOR 2009**

OFFICIAL SAMPLES ANALYZED			3,147
	Purity	1045	
	Noxious Weed	1239	
	Germination	3565	
TOTAL NUMBER OF LOTS IN VIOLATION			208
TOTAL OFFICIAL TESTS PERFORMED			6,184
COMPLIANCE RATE OF OFFICIAL SAMPLES ANALYZED			93.39%
SERVICE SAMPLES ANALYZED			462
	Purity	82	
	Noxious Weed	50	
	Germination	451	
	Endophyte	0	
	Pure Live Seed	0	
	TZ	0	
	Seed Count per pound	5	
	Other	0	
TOTAL SERVICE SAMPLE TESTS PERFORMED			588
TOTAL SAMPLES FOR 2009			3,609
TOTAL TESTS PERFORMED FOR 2009			6,772
SEED PERMITS ISSUED FOR 2009			3,641

Information on samples, inspection of seeds, or service samples are available from the Bureau of Feed and Seed, 115 Constitution Drive, Jefferson City, Missouri, 65109 or by calling (573) 751-5474.

SUBMITTING SERVICE SAMPLES

➤ **Testing period for free seed analysis:**

June 1 through August 31

November 1 through January 15

➤ **Testing period for charges on seed analysis:**

January 16 through May 31

September 1 through October 31

➤ **Purity charges:**

One cultivar

\$12.00

More than one cultivar in same sample

\$18.00

Seed having less than 90 percent pure seed

\$10.00/hour

➤ **Germination charges (highly chaffy grasses, excluded)**

\$12.00

➤ **Other testing charges:**

TZ	\$25.00
Highly chaffy seed	\$10.00/hour
Highly chaffy germ	\$14.00
Endophyte from growth	\$30.00
Endophyte from seed	\$20.00
Noxious and Prohibited weed seed	\$12.00
Complete Test (Including Purity, Germination, and Noxious Weeds)	\$36.00
Cold Test (Soybeans)	\$12.00
Cool Test (Cotton)	\$12.00

CRITERIA FOR OBTAINING A SERVICE SAMPLE

Forward your seed in containers adequate to protect the sample.

Without proper sampling technique, test will not reflect true quality of the seed.

➤ **Bulk lot seeds:**

Take a sample from several places.

Mix the seed samples thoroughly.

Make a composite sample.

➤ **Bagged lot seeds:**

Take sample from approximately 10 percent of the bags.

Mix the seed samples thoroughly.

Make a composite sample.

➤ **Size of sample needed for testing:**

TYPE OF SEED	SAMPLE SIZE GERMINATION	SAMPLE SIZE PURITY
Soybeans	one quart	one-half gallon
Large Seeds (corn, cotton, small grain, sorghum)	one pint to one quart	one quart
Small seeds (grass, clover, alfalfa, lespedeza)	one-half pint	one quart

SEED ANALYSIS SERVICE SAMPLE APPLICATION

Submit seed samples with request for analysis to: **State Seed Control Laboratory**
Department of Agriculture
115 Constitution Drive (65109)
P.O. Box 630 (65102)
Jefferson City, MO

PLEASE PRINT OR TYPE THE FOLLOWING INFORMATION:

Date _____

Lot number or ID of seed _____ Kind of seed _____

Check the following
analysis to be run:

Free _____

Charge _____ (see page 6 for free & charge times)

Germination _____

Purity _____

Noxious or prohibited
weed seed content _____

Other (please specify) _____

Person planting this seed _____

Address _____
(Route/Street No.) (P.O. Box)

(City) (State) (Zip)

(Phone number)

SECTION ONE

						Type of Violation					
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Agrigold Hybrids, St. Francesville, IL											
Corn, field			2	2	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0	0
Agripro-Coker (Syngenta Seeds), Berthoud, CO											
Wheat			1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Agro Distribution LLC, St. Joseph, MO											
Fescue, hard			1	0	1		1				
Festulolium			1	1	0						
Mixture			6	6	0						
Ryegrass, intermediate			1	1	0						
Compliance Rate:	88.9%	Total	9	8	1	0	1	0	0	0	0
Agventure Inc., Kentland, IN											
Soybean			9	9	0						
Compliance Rate:	100.0%	Total	9	9	0	0	0	0	0	0	0
AMS 2894, Johnston, IA											
Soybean			3	3	0						
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0	0

						Type of Violation					
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Asoyia, Inc, Iowa City, IA											
	Soybean		4	4	0						
Compliance Rate:	100.0%	Total	4	4	0	0	0	0	0	0	0
Baker Creek Heirloom Seeds, Mansfield, MO											
	Vegetables		44	42	2	2					
Compliance Rate:	95.5%	Total	44	42	2	2	0	0	0	0	0
Barenbrug USA, Tangent, OR											
	Bluegrass, Kentucky		2	1	1	1					
	Clover, red		2	2	0						
	Clover, white		1	1	0						
	Fescue, tall		3	3	0						
	Mixture		11	11	0						
	Orchardgrass		2	2	0						
	Ryegrass, annual		1	1	0						
	Timothy		1	1	0						
Compliance Rate:	95.7%	Total	23	22	1	1	0	0	0	0	0
Bayer Cropscience, Pittsburg, PA											
	Soybean		1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Bayer Cropscience, Lubbock, TX											
	Cotton		14	14	0						
	Soybean		1	1	0						
Compliance Rate:	100.0%	Total	15	15	0	0	0	0	0	0	0

						Type of Violation					
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Belt Fur Wool & Seed Co, Leonard, MO											
Wheat, soft red winter			6	6	0						
Compliance Rate:	100.0%	Total	6	6	0	0	0	0	0	0	0
Buchheit, Inc, Perryville, MO											
Fescue, tall			3	2	1			1			
Mixture			1	0	1		1	1	1	1	
Compliance Rate:	50.0%	Total	4	2	2	0	1	2	1	1	0
Bullard Seed, Ashland, MO											
Wheat			11	11	0						
Wheat, soft			5	5	0						
Wheat, soft red winter			3	3	0						
Compliance Rate:	100.0%	Total	19	19	0	0	0	0	0	0	0
BWI Companies Inc, Springfield, MO											
Clover, Dutch white			1	1	0						
Clover, red			1	1	0						
Fescue, tall			1	1	0						
Mixture			4	3	1		1				
Ryegrass, annual			1	1	0						
Compliance Rate:	87.5%	Total	8	7	1	0	1	0	0	0	0
BWI Companies Inc, Texarkana, TX											
Mixture			9	9	0						
Ryegrass, annual			2	2	0						
Compliance Rate:	100.0%	Total	11	11	0	0	0	0	0	0	0

						Type of Violation					
						Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Byron Seed Supply, Marshall, IN											
		Clover, red	1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Cache River Valley, Cash, AR											
		Rice	2	2	0						
		Soybean	6	6	0						
		Wheat	1	1	0						
Compliance Rate:	100.0%	Total	9	9	0	0	0	0	0	0	0
Cal West Seed Company, Woodland, CA											
		Clover, ladino	1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Caudill Seed & Warehouse Co, Louisville, KY											
		Wheat	2	2	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0	0
Cenex/Land O'Lakes, Inc, Fort Dodge, IA											
		Soybean	22	21	1	1					
Compliance Rate:	95.5%	Total	22	21	1	1	0	0	0	0	0
Central Missouri Agriservice, Marshall, MO											
		Soybean	2	2	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0	0

				Type of Violation							
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Coop Assn 130, Rhineland, MO											
		Alfalfa		1	1	0					
Compliance Rate:	100.0%		Total	1	1	0	0	0	0	0	0
Cropland Genetics, Fort Dodge, IA											
		Soybean		4	4	0					
Compliance Rate:	100.0%		Total	4	4	0	0	0	0	0	0
Crow's Hybrid Crow Co, Kentland, IN											
		Corn, field		4	4	0					
		Soybean		49	48	1	1				
Compliance Rate:	98.1%		Total	53	52	1	1	0	0	0	0
Cullum Seed Co, Fisher, AR											
		Rice		6	6	0					
Compliance Rate:	100.0%		Total	6	6	0	0	0	0	0	0
Dairyland Seed Co Inc, West Bend, WI											
		Alfalfa		2	2	0					
Compliance Rate:	100.0%		Total	2	2	0	0	0	0	0	0
Dekalb Plant Genetics/Monsanto, Marshall, MO											
		Corn		1	1	0					
Compliance Rate:	100.0%		Total	1	1	0	0	0	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Delange Seed House, Inc, Girard, KS												
Fescue, tall				1	0	1					1	
Compliance Rate:	0.0%	Total		1	0	1	0	0	0	0	1	0
Delta & Pine Land Co, Scott, MS												
Cotton				8	8	0						
Compliance Rate:	100.0%	Total		8	8	0	0	0	0	0	0	0
Delta Grow Seed, England, AR												
Soybean				8	8	0						
Compliance Rate:	100.0%	Total		8	8	0	0	0	0	0	0	0
Des Moines Forage & Turf Seed, Ankeny, IA												
Mixture				1	1	0						
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0	0
Dickey Bub Farm & Home, Union, MO												
Fescue, tall				1	1	0						
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0	0
Diebold Orchards, Benton, MO												
Vegetables				10	10	0						
Compliance Rate:	100.0%	Total		10	10	0	0	0	0	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Discount Seeds Inc, Watertwon, SD												
Oat				2	1	1	1					
Rye				5	5	0						
Compliance Rate:	85.7%	Total		7	6	1	0	0	1	0	0	0
EI-Mel Inc, Florissant, MO												
Mixture				1	1	0						
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0	0
EI-Mel, Inc, St. Charles, MO												
Mixture				2	2	0						
Compliance Rate:	100.0%	Total		2	2	0	0	0	0	0	0	0
EI-Par Stock & Seed Farm, Versailles, MO												
Barley				2	2	0						
Compliance Rate:	100.0%	Total		2	2	0	0	0	0	0	0	0
Evergreen Seed LLC, Rice, VA												
Clover				1	0	1	1					
Clover, crimson				1	1	0						
Clover, medium red				1	1	0						
Millet, foxtail				1	1	0						
Rye				1	1	0						
Compliance Rate:	80.0%	Total		5	4	1	0	0	1	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Evergreen Seed LLC, Stockton, MO												
	Alfalfa			1	1	0						
	Bluegrass, Kentucky			1	0	1				1		
	Clover, arrowleaf			1	0	1		1				
	Clover, ladino			3	2	1	1					
	Clover, medium red			3	3	0						
	Clover, yellow sweet			1	0	1	1					
	Fescue, tall			14	12	2	2					
	Lespedeza			3	3	0						
	Lespedeza, Korean			2	2	0						
	Mixture			10	7	3	2	1				
	Orchardgrass			7	5	2		1		2	1	
	Pea, Austrian winter			1	1	0						
	Ryegrass, annual			7	6	1		1		1		
	Ryegrass, perennial			2	2	0						
	Timothy			1	1	0						
	Triticale			2	2	0						
	Vetch, hairy			1	1	0						
	Wheat			2	1	1	1					
Compliance Rate:	79.0%	Total		62	49	13	7	4	0	4	1	0
Farmers Ag Center, Mountain Grove, MO												
	Fescue, tall			5	4	1			1			
Compliance Rate:	80.0%	Total		5	4	1	0	0	1	0	0	0
Feldman's, Blue Springs, MO												
	Fescue, creeping red			1	0	1		1				
	Fescue, tall			4	4	0						
Compliance Rate:	80.0%	Total		5	4	1	0	1	0	0	0	0

						Type of Violation					
						Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Ferguson Seed Farms, Glasgow, MO											
	Wheat, soft red winter		1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Ferry-Morse Seed Company, Fulton, KY											
	Fescue, tall		4	4	0						
	Mixture		2	2	0						
Compliance Rate:	100.0%	Total	6	6	0	0	0	0	0	0	0
Feyh Farm Seed Co, Alma, KS											
	Brome, smooth		1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Flick Seed Co, Kingsville, MO											
	Fescue, tall		1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Fontanelle Hybrids, Fontanelle, NE											
	Corn		1	1	0						
	Soybean		10	8	2	2					
Compliance Rate:	81.8%	Total	11	9	2	2	0	0	0	0	0

						Type of Violation					
						Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
G R Robinson Seed & Service Co, University City, MO											
	Mixture	28	28	0							
	Ryegrass, annual	1	1	0							
	Ryegrass, perennial	1	1	0							
Compliance Rate:	100.0%	Total	30	30	0	0	0	0	0	0	0
George Keller & Sons Co, Quincy, IL											
	Alfalfa	1	1	0							
	Bluegrass, Kentucky	4	1	3	3	1					
	Clover, medium red	1	1	0							
	Fescue, creeping red	1	0	1	1						
	Fescue, tall	4	3	1		1				1	
	Lespedeza	1	1	0							
	Mixture	7	6	1	1						
	Ryegrass, annual	2	2	0							
	Ryegrass, perennial	2	1	1			1				
	Timothy	1	1	0							
Compliance Rate:	70.8%	Total	24	17	7	5	3	0	0	1	0
Grass Pad Warehouse, Olathe, KS											
	Mixture	8	8	0							
Compliance Rate:	100.0%	Total	8	8	0	0	0	0	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Green Seed Co Inc, Springfield, MO												
	Alfalfa		4	3	1	1						
	Bluegrass, Kentucky		1	0	1	1						
	Brome, smooth		1	0	1	1						
	Canarygrass, reed		1	1	0							
	Clover, ladino		1	1	0							
	Clover, medium red		1	1	0							
	Clover, red		1	1	0							
	Fescue, tall		28	14	14	9	1	5				
	Lespedeza, Korean		2	1	1		1					1
	Millet, pearl		1	1	0							
	Mixture		12	7	5	2		4				
	Orchardgrass		10	6	4		2		2			
	Ryegrass, annual		7	7	0							
	Ryegrass, perennial		7	7	0							
	Sorghum-sudangrass		1	1	0							
	Sunflower		1	1	0							
	Timothy		4	0	4	4					1	
	Vegetables		4	4	0							
Compliance Rate:	64.4%	Total	87	56	31	18	4	9	2	1	1	

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Green Valley Seed Inc, Kahoka, MO												
	Alfalfa			11	11	0						
	Brome, smooth			3	2	1	1					
	Canarygrass, reed			1	1	0						
	Clover, ladino			2	2	0						
	Clover, medum red			2	2	0						
	Clover, red			1	1	0						
	Clover, white			1	1	0						
	Fescue, creeping			2	2	0						
	Fescue, tall			4	3	1		1			1	
	Lespedeza			1	1	0						
	Mixture			3	3	0						
	Oat			2	1	1	1					
	Orchardgrass			4	4	0						
	Rye			2	2	0						
	Ryegrass, annual			2	2	0						
	Ryegrass, perennial			1	1	0						
	Sorghum			1	1	0						
	Sorghum-sudangrass			2	1	1	1					
	Soybean			10	10	0						
	Timothy			3	3	0						
	Trefoil, birdsfoot			1	1	0						
	Triticale			1	1	0						
	Turnip, white globe			1	1	0						
Compliance Rate:	93.4%	Total		61	57	4	3	1	0	0	1	0
Gro Direct Inc, Monticello, IN												
	Corn, field			1	1	0						
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0	0

						Type of Violation					
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Growmark Inc, Bloomington, IL											
Corn			1	1	0						
Soybean			2	2	0						
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0	0
Haas Seed House, Albers, IL											
Wheat			1	1	0						
Wheat, soft red winter			1	1	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0	0
Haldeman Seed LLC, Labelle, MO											
Brome, smooth			1	0	1	1		1		1	
Fescue, tall			1	1	0						
Compliance Rate:	50.0%	Total	2	1	1	1	0	1	0	1	0
Helena Chemical, Bridgeton, MO											
Mixture			3	2	1		1				
Ryegrass, annual			1	1	0						
Compliance Rate:	75.0%	Total	4	3	1	0	1	0	0	0	0
Helena Chemical, Lenexa, KS											
Fescue, tall			1	1	0						
Mixture			2	2	0						
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0	0

						Type of Violation					
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Hoegemeyer Hybrids, Hooper, NE Soybean						3	3	0			
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0	0
Hoffman & Reed Inc, Trenton, MO Wheat, hard red winter						1	1	0			
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0	0
Hummert International, Earth City, MO Mixture						13	13	0			
Ryegrass, annual						1	1	0			
Ryegrass, perennial						1	1	0			
Compliance Rate:	100.0%	Total	15	15	0	0	0	0	0	0	0
Hummert International, Topeka, KS Fescue, tall						2	2	0			
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0	0
Johnston Seed Company, Ashburn, GA Fescue, tall						1	0	1	1		
Compliance Rate:	0.0%	Total	1	0	1	1	0	0	0	0	0
Johnston Seed Company, Enid, OK Bermudagrass						1	1	0			
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0

						Type of Violation					
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
King City Seed & Storage, King City, MO											
Soybean			41	41	0						
Compliance Rate:	100.0%	Total	41	41	0	0	0	0	0	0	0
Kruger Seed Company, Dike, IA											
Soybean			27	27	0						
Compliance Rate:	100.0%	Total	27	27	0	0	0	0	0	0	0
Lay Seed Co, Labelle, MO											
Fescue, tall			2	2	0						
Wheat, soft red winter			1	1	0						
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0	0
Le Mars Agri Center, Le Mars, IA											
Oat			4	3	1	1					
Compliance Rate:	75.0%	Total	4	3	1	1	0	0	0	0	0
Lebanon Lawn & Garden, Bristol, IL											
Mixture			1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Lebanon Seaboard Corporation, Lebanon, PA											
Fescue, tall			1	1	0						
Mixture			8	8	0						
Compliance Rate:	100.0%	Total	9	9	0	0	0	0	0	0	0

						Type of Violation					
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Leeton Elevator Inc, Leeton, MO											
Fescue, tall			3	3	0						
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0	0
Leo Stroebe & Son Seed, Concordia, MO											
Soybean			3	3	0						
Wheat, soft red winter			3	3	0						
Compliance Rate:	100.0%	Total	6	6	0	0	0	0	0	0	0
Lesco Inc, Cleveland, OH											
Fescue, tall			1	0	1		1				
Mixture			33	33	0						
Compliance Rate:	97.1%	Total	34	33	1	0	1	0	0	0	0
Lewis Hybrids Inc, Ursa, IL											
Alfalfa			1	1	0						
Soybean			1	1	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0	0
Lick Skillet Seeds Inc, Gallatin, MO											
Wheat			1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0

				Type of Violation							
				Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Lortscher Agri Service, Bern, KS											
	Wheat			1	1	0					
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0
Merschman Seeds Inc, West Point, IA											
	Corn, field			1	1	0					
	Soybean			26	26	0					
Compliance Rate:	100.0%	Total		27	27	0	0	0	0	0	0
MFA Agri Service, Macon, MO											
	Clover, red			1	1	0					
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0
MFA Agri Service, Warrenton, MO											
	Mixture			2	1	1	1				
Compliance Rate:	50.0%	Total		2	1	1	1	0	0	0	0
MFA Agri Service, Wentzville, MO											
	Mixture			1	1	0					
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0
MFA Exchange, Boonville, MO											
	Clover, red			1	1	0					
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0

			Type of Violation						
	Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
MFA Inc. Seed Division, Columbia, MO									
Alfalfa	8	8	0						
Bermudagrass	1	1	0						
Bluegrass, Kentucky	3	3	0						
Brome	1	0	1	1					
Brome, smooth	6	3	3	3					
Canarygrass, reed	4	2	2	2					
Clover, alsike	4	4	0						
Clover, ladino	4	4	0						
Clover, medium red	2	2	0						
Clover, white	2	2	0						
Clover, yellow blossom s'	3	1	2	2					
Corn	22	22	0						
Corn, field	7	7	0						
Cowpea	1	1	0						
Fescue, creeping red	3	3	0						
Fescue, tall	47	40	7	2	1	4		1	
Lespedeza, Korean	9	9	0						
Millet, Japanese	1	1	0						
Millet, pearl	3	3	0						
Mixture	34	28	6	5	1				
Oat	2	2	0						
Oat, spring	1	1	0						
Orchardgrass	14	14	0						
Rape	1	1	0						
Redtop	1	1	0						
Rye	4	4	0						
Ryegrass, annual	5	5	0						
Ryegrass, intermediate	1	1	0						
Ryegrass, perennial	7	7	0						
Sorghum	2	2	0						
Sorghum-sudangrass	1	1	0						
Soybean	22	22	0						
Teff	1	1	0						
Timothy	12	10	2	1		1			
Trefoil, birdsfoot	2	1	1		1			1	
Triticale	1	1	0						

					Type of Violation						
					Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label	
	Vegetable	1	1	0							
	Vetch, hairy	1	1	0							
	Wheat	25	25	0							
	Wheat, soft red winter	33	32	1	1						
Compliance Rate:	91.7%	Total	302	277	25	17	3	5	0	2	0
MFA Incorporated, Columbia, MO											
	Alfalfa	2	2	0							
	Brome, smooth	2	2	0							
	Clover, ladino & white	1	1	0							
	Clover, medium red	4	4	0							
	Corn	2	2	0							
	Fescue, creeping red	1	1	0							
	Fescue, tall	12	10	2	2						
	Lespedeza, Korean	1	1	0							
	Millet, Japanese	1	1	0							
	Mixture	8	8	0							
	Orchardgrass	5	4	1						1	
	Ryegrass, annual	1	1	0							
	Ryegrass, perennial	1	1	0							
	Soybean	64	64	0							
	Timothy	4	4	0							
Compliance Rate:	97.2%	Total	109	106	3	2	0	0	0	1	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
MFA Seed Dist, Sedalia, MO												
	Alfalfa			2	2	0						
	Bluegrass, Kentucky			1	1	0						
	Clover, medium red			2	2	0						
	Clover, red			3	3	0						
	Clover, white			1	1	0						
	Fescue, creeping red			2	1	1	1					
	Fescue, tall			11	8	3		3		1	1	
	Mixture			6	4	2	2					
	Orchardgrass			6	5	1		1				
	Pea, Austrian winter			1	1	0						
	Rape			1	1	0						
	Ryegrass, annual			10	10	0						
	Ryegrass, perennial			5	5	0						
	Trefoil, birdsfoot			2	2	0						
	Vegetable, Turnip			2	2	0						
Compliance Rate:	87.3%	Total		55	48	7	3	4	0	1	1	0
Mid-State Seed & Storage, Marshall, MO												
	Wheat, soft			7	7	0						
	Wheat, soft red winter			5	5	0						
Compliance Rate:	100.0%	Total		12	12	0	0	0	0	0	0	0
Midwest Premium Genetics, Concordia, MO												
	Soybean			6	6	0						
Compliance Rate:	100.0%	Total		6	6	0	0	0	0	0	0	0

						Type of Violation					
						Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Midwest Seed Genetic Inc, Carroll, IA											
Corn						1	1	0			
Soybean						22	22	0			
Compliance Rate:	100.0%	Total	23	23	0	0	0	0	0	0	0
Missouri Southern Seed, Rolla, MO											
Alfalfa						13	12	1	1		
Bermudagrass						1	1	0			
Bluegrass, Kentucky						2	2	0			
Brassica						1	1	0			
Brome, smooth						7	6	1	1		
Buckwheat						2	2	0			
Canarygrass, reed						2	2	0			
Clover, alsike						4	4	0			
Clover, crimson						2	2	0			
Clover, ladino						4	4	0			
Clover, ladino & white						4	4	0			
Clover, mammoth red						1	1	0			
Clover, medium red						23	22	1	1		
Clover, red						5	5	0			
Clover, white						1	1	0			
Clover, yellow sweet						2	0	2	1	2	
Cowpea						2	2	0			
Fescue, creeping red						4	3	1	1		
Fescue, tall						73	60	13	7	6	1
Lespedeza						16	14	2		1	
Lespedeza, Korean						2	2	0		2	
Millet						1	1	0			
Millet, German or foxtail						1	0	1	1		
Millet, Japanese						2	2	0			
Millet, pearl						1	1	0			
Millet, white proso						1	1	0			
Mixture						48	31	17	8	9	3
Oat						1	1	0			
Orchardgrass						15	14	1		1	1

					Type of Violation						
					Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label	
		Lots Inspected	Lots Passed	Lots in Violation							
	Rape	2	2	0							
	Ryegrass, annual	11	11	0							
	Ryegrass, intermediate	3	3	0							
	Ryegrass, perennial	13	12	1		1					
	Sorghum	2	2	0							
	Sorghum, grain	1	1	0							
	Sorghum-sudangrass	2	2	0							
	Soybean	2	2	0							
	Sunflower	1	1	0							
	Teff	1	1	0							
	Timothy	20	14	6	6						
	Trefoil, birdsfoot	1	1	0							
	Vegetable	7	7	0							
	Vetch	3	3	0							
	Wheat	1	1	0							
	Wheat, soft red winter	2	2	0							
	Compliance Rate:	85.0%	Total	313	266	47	25	18	4	4	5
Monsanto Company, St. Louis, MO											
	Corn, field	14	14	0							
	Soybean	535	535	0							
Compliance Rate:	100.0%	Total	549	549	0	0	0	0	0	0	0
Monsanto Seed Co (Asgrow), Matthews, MO											
	Soybean	1	1	0							
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Morgan County Seeds, Barnett, MO											
	Vegetable	21	21	0							
Compliance Rate:	100.0%	Total	21	21	0	0	0	0	0	0	0

				Type of Violation							
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Morning Sun Seeds, Westboro, MO											
	Soybean			9	9	0					
Compliance Rate:	100.0%	Total		9	9	0	0	0	0	0	0
Mycogen Seeds, Indianapolis, IN											
	Corn			1	1	0					
	Soybean			24	22	2	2				
Compliance Rate:	92.0%	Total		25	23	2	2	0	0	0	0
N C + Hybrids, Lincoln, NE											
	Soybean			17	17	0					
Compliance Rate:	100.0%	Total		17	17	0	0	0	0	0	0
Neco Seed, Garden City, MO											
	Soybean			38	38	0					
Compliance Rate:	100.0%	Total		38	38	0	0	0	0	0	0
Nemo Seed & Grain, Palmyra, MO											
	Clover, red			1	1	0					
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Nixa Hardware, Nixa, MO												
	Alfalfa			1	1	0						
	Clover, alsike			1	0	1				1		
	Clover, crimson			1	1	0						
	Clover, ladino			1	1	0						
	Clover, red			2	1	1			1			
	Fescue			1	1	0						
	Fescue, tall			1	1	0						
	Lespedeza			3	3	0						
	Mixture			3	3	0						
	Oat, spring			1	1	0						
	Orchardgrass			2	2	0						
	Ryegrass, intermediate			1	1	0						
	Ryegrass, perennial			1	1	0						
	Vegetable			1	1	0						
Compliance Rate:	90.0%	Total		20	18	2	0	0	1	1	0	0
Nutech, Leland, IA												
	Corn, field			3	3	0						
	Soybean			10	9	1	1					
Compliance Rate:	92.3%	Total		13	12	1	1	0	0	0	0	0
Nutech Seed, LLC, Forest City, IA												
	Soybean			26	20	6	6					
Compliance Rate:	76.9%	Total		26	20	6	6	0	0	0	0	0
Paulsmeyer Seed Farms, Silex, MO												
	Wheat, soft red winter			1	1	0						
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0	0

						Type of Violation					
						Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Pennington Seed, Madison, GA											
Clover, white						3	3	0			
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0	0
Pennington Seed Inc, Greenfield, MO											
Clover, white						3	3	0			
Fescue, tall						12	11	1		1	
Mixture						130	130	0			
Ryegrass						1	1	0			
Ryegrass, annual						9	9	0			
Compliance Rate:	99.4%	Total	155	154	1	0	0	1	0	0	0
Pennington Seed Inc, Lebanon, OR											
Fescue, tall						3	1	2			
Mixture						1	1	0			
Compliance Rate:	50.0%	Total	4	2	2	0	2	0	0	0	0
Peterson Genetics, Cedar Falls, IA											
Soybean						8	8	0			
Compliance Rate:	100.0%	Total	8	8	0	0	0	0	0	0	0
Phytogen Seed Co LLC, Indianapolic, IN											
Cotton						6	6	0			
Compliance Rate:	100.0%	Total	6	6	0	0	0	0	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Pioneer Hi-Bred International, Johnston, IA												
			Alfalfa	4	4	0						
			Corn, field	66	65	1	1					
			Sorghum	1	1	0						
			Sorghum, grain	3	3	0						
			Sorghum-sudangrass	1	1	0						
			Soybean	37	37	0						
			Wheat	12	12	0						
Compliance Rate:	99.2%	Total		124	123	1	1	0	0	0	0	0
Powell Seed Farm, Linneus, MO												
			Orchardgrass	1	0	1	1					1
Compliance Rate:	0.0%	Total		1	0	1	1	0	0	0	0	1
Producers Hybrids Inc, Battle Creek, NE												
			Soybean	11	10	1	1					
Compliance Rate:	90.9%	Total		11	10	1	1	0	0	0	0	0
Production Plus, Plainview, TX												
			Sorghum-sudangrass	3	3	0						
Compliance Rate:	100.0%	Total		3	3	0	0	0	0	0	0	0
Progeny Ag Products - Erwin - Kieth, Wynne, AR												
			Wheat	1	1	0						
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0	0

						Type of Violation					
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Progeny Seed, Wynne, AR											
	Soybean		5	5	0						
Compliance Rate:	100.0%	Total	5	5	0	0	0	0	0	0	0
Rex and Amy Hamilton, Elk Creek, MO											
	Bluestem, big		1	0	1	1	1				
	Gammagrass, eastern		1	1	0						
	Indiangrass		2	0	2	2	1				
Compliance Rate:	25.0%	Total	4	1	3	3	2	0	0	0	0
Ricetec Inc, Alvin, TX											
	Rice		23	23	0						
Compliance Rate:	100.0%	Total	23	23	0	0	0	0	0	0	0
Rieschick Seed, Soldier, KS											
	Brome, smooth		1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0
Sansgaard Seed Farm Inc, Story City, IA											
	Soybean		3	2	1	1					
Compliance Rate:	66.7%	Total	3	2	1	1	0	0	0	0	0
Schlessman Seed Co, Milan, OH											
	Corn, pop		1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Scotts Company, Marysville, OH												
	Mixture			6	6	0						
Compliance Rate:	100.0%	Total		6	6	0	0	0	0	0	0	0
Seeds By Design Inc, Maxwell, CA												
	Vegetable			2	2	0						
Compliance Rate:	100.0%	Total		2	2	0	0	0	0	0	0	0
Seeds, Inc, Memphis, TN												
	Bermudagrass			1	1	0						
	Fescue, tall			1	1	0						
Compliance Rate:	100.0%	Total		2	2	0	0	0	0	0	0	0
Seeds, Inc, Tekoa, WA												
	Bluegrass, Kentucky			1	0	1	1					
Compliance Rate:	0.0%	Total		1	0	1	1	0	0	0	0	0

				Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Shawneetown Feed & Seed Co, Jackson, MO											
	Alfalfa		1	1	0						
	Bluegrass, Kentucky		2	2	0						
	Clover, ladino & white		1	1	0						
	Clover, medium red		1	1	0						
	Fescue, creeping red		1	1	0						
	Fescue, tall		2	1	1	1					
	Lespedeza, Korean		1	1	0						
	Orchardgrass		1	1	0						
	Redtop		1	1	0						
	Rye		1	1	0						
	Sunflower		1	1	0						
	Timothy		2	2	0						
	Vegetable		3	3	0						
	Wheat		2	2	0						
Compliance Rate:	95.0%	Total	20	19	1	1	0	0	0	0	0
Siemer Enterprises, Teutopolis, IL											
	Bluegrass, Kentucky		3	3	0						
	Fescue, tall		20	16	4	1	1	1		1	
	Mixture		15	15	0						
	Oat		2	2	0						
	Ryegrass, annual		1	1	0						
	Ryegrass, perennial		5	5	0						
Compliance Rate:	91.3%	Total	46	42	4	1	1	1	0	1	0
Sikeston Seed Company, Sikeston, MO											
	Soybean		2	2	0						
	Wheat, soft red winter		1	1	0						
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0	0

				Type of Violation							
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Stine Seed Farm Inc, Adel, IA											
		Corn, field		1	1	0					
		Soybean		20	19	1	1				
Compliance Rate:	95.2%		Total	21	20	1	1	0	0	0	0
Stoddard Co Seed Service, Dudley, MO											
		Soybean		1	1	0					
Compliance Rate:	100.0%		Total	1	1	0	0	0	0	0	0
Stone Seed Farms Inc, Pleasant Plains, IL											
		Soybean		1	1	0					
Compliance Rate:	100.0%		Total	1	1	0	0	0	0	0	0
Stuttgart Seed Co Inc, Stuttgart, AR											
		Oat		2	2	0					
Compliance Rate:	100.0%		Total	2	2	0	0	0	0	0	0
Syngenta Seed Inc, Minneapolis, MN											
		Alfalfa		1	1	0					
		Soybean		106	106	0					
Compliance Rate:	100.0%		Total	107	107	0	0	0	0	0	0
T & N Inc, Foristell, MO											
		Mixture		2	2	0					
Compliance Rate:	100.0%		Total	2	2	0	0	0	0	0	0

				Type of Violation							
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Tanner Seed Co, Bernie, MO											
		Rice		2	2	0					
Compliance Rate:	100.0%		Total	2	2	0	0	0	0	0	0
Taylor Seed Farms, White Cloud, KS											
		Wheat		1	1	0					
Compliance Rate:	100.0%		Total	1	1	0	0	0	0	0	0
Tennessee Farmers Coop, Lavergne, TN											
		Fescue, tall		1	0	1	1				
Compliance Rate:	0.0%		Total	1	0	1	1	0	0	0	0
Tri-Star Seed Company, Spring Hill, KS											
		Fescue, tall		3	1	2	2				
		Mixture		1	1	0					
Compliance Rate:	50.0%		Total	4	2	2	2	0	0	0	0
Turf Merchants Inc, Tangent, OR											
		Bluegrass, Kentucky		2	1	1	1				
Compliance Rate:	50.0%		Total	2	1	1	1	0	0	0	0
Turner Seed, Lavergne, TN											
		Alfalfa		1	1	0					
Compliance Rate:	100.0%		Total	1	1	0	0	0	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
UAP Distribution Inc, Greeley, CO												
Alfalfa				1	1	0						
Corn, field				3	3	0						
Cotton				3	3	0						
Soybean				47	45	2	2					
Compliance Rate:	96.3%	Total		54	52	2	2	0	0	0	0	0
Valley Park Elevator, Valley Park, MO												
Mixture				4	4	0						
Compliance Rate:	100.0%	Total		4	4	0	0	0	0	0	0	0
Weber Seeds Inc, Marshall, MO												
Soybean				2	2	0						
Wheat, soft red winter				11	11	0						
Compliance Rate:	100.0%	Total		13	13	0	0	0	0	0	0	0
Welter Seed & Honey Co, Onslow, IA												
Oat				1	1	0						
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0	0
Willcross Hybrids Inc, Garden City, MO												
Corn, field				2	2	0						
Compliance Rate:	100.0%	Total		2	2	0	0	0	0	0	0	0

						Type of Violation					
						Germi- nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
Willcross Seed, King City, MO											
	Wheat		2	2	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0	0
Williams Lawn Seed Co, Maryville, MO											
	Bluegrass, Kentucky		31	27	4	3	2				
	Brome, smooth		1	1	0						
	Clover, medium red		1	1	0						
	Fescue, chewings		4	4	0						
	Fescue, creeping red		3	2	1	1					
	Fescue, hard		4	2	2		2				
	Fescue, red		3	2	1		1				
	Fescue, sheep		2	2	0						
	Fescue, tall		36	33	3		3				
	Mixture		21	18	3		3				
	Orchardgrass		1	1	0						
	Poa trivialis		1	1	0						
	Ryegrass, annual		3	3	0						
	Ryegrass, perennial		13	12	1		1				
Compliance Rate:	87.9%	Total	124	109	15	4	12	0	0	0	0
Winfield Solutions LLC, St. Joseph, MO											
	Corn, field		3	3	0						
	Soybean		1	1	0						
Compliance Rate:	100.0%	Total	4	4	0	0	0	0	0	0	0
WL Alfalfas, Madison, WI											
	Alfalfa		10	10	0						
Compliance Rate:	100.0%	Total	10	10	0	0	0	0	0	0	0

				Type of Violation								
				Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	Label
WSDA, Kahoka, MO												
		Wheat, soft red winter		1	1	0						
Compliance Rate:	100.0%	Total		1	1	0	0	0	0	0	0	0
OVERALL TOTAL				3147	2939	208	121	60	27	13	17	2

SECTION TWO

VIOLATIONS OF SEED LOTS FOR REASONS OTHER THAN CONTENT CLAIMS

**VIOLATIONS ON SEED LOTS FOR REASONS
OTHER THAN CONTENTS CLAIMS**

Company	Reason Field Written Stop Sale was Issued	Number of Violations
Feldman's Farm and Home 095-116 Blue Springs, MO 64015	Wrong label Out of test date No label	37
Feldman's Farm and Home 047-025 Liberty, MO 64068	Out of test date No label	17
Greater Ozark MFA 077-116 Springfield, MO 65802	Out of test date	9
Kmart #3759 189-048 Ballwin, MO 63011	Out of test date	7
MFA Agri Services 073-001 Owensville, MO 65066	Out of test date	3
Orscheln Farm and Home Supply #7 157-067 Perryville, MO 63775	Out of test date	5